

**Work Order ID 120741**

Wednesday, June 25, 2014 1:10:15 PM

**\*120741\***

Page 1

Item ID: 647.4011

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

Revision ID:

Stop

**\*NS2\***

Item Name: Wiper Deflector LH

Start Date: 6/11/2014 Start Qty: 20.00

**\*20\***

Cust Item ID:

Required Date: 6/11/2014 Req'd Qty: 20.00

**\*20\***

Customer:

Reference:

Approvals:

Process Plan:

CLDate: 14/06/25

Tooling:

Date:

Run

Start

**\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop

**\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr

Revision Nbr

647.4000

B

100

0.00

**\*100\***

Purchasing

Memo

0.00

Purchasing

ISSUE P/O: 24756

SUPPLIER: SOUTHLAND

ANODIZE AND PRIME AS PER DWG

C OF C IS REQUIRED

CL 14/06/25 20

110

Receive &amp; Inspect for Damage &amp; Mat'l Certs

0.00

**\*110\***

Packaging

Memo

0.00

Packaging

74/5/2 (20)

# Work Order ID 120741

Wednesday, June 25, 2014 1:10:15 PM

**\*120741\***

Page 2

Item ID: 647.4011 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Wiper Deflector LH  
Start Date: 6/11/2014 Start Qty: 20.00 **\*20\*** Cust Item ID:  
Required Date: 6/11/2014 Req'd Qty: 20.00 **\*20\*** Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180	QC5- Inspect part completeness to step on W/O	0.00							
<b>*180*</b>						20	2	14/09/04	DAS 9 9-89
QC	Memo	0.00							
Quality Control									
210	Receive & Inspect for Damage & Mat'l Certs	0.00							
<b>*210*</b>	STO RE								DAS 32 9-89
Packaging	Memo	0.00							
Packaging	CCH 18								
220	QC21- Final Inspection - Work Order Release	0.00							
<b>*220*</b>									
QC	Memo	0.00							
Quality Control									

MLJ 14-09-05

MLJ 14-09-05

# Picklist Print

Wednesday, June 25, 2014 1:10:15 PM

Page 1

Work Order ID: 120741

**\*120741\***

Parent Item: 647.4011

**\*647 4011\***

Parent Item Name: Wiper Deflector LH

Start Date: 6/11/2014

Required Date: 6/11/2014

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP REV:A 12.10.26 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
647.4011P		Purchased		No			Each	0.0000		20			
<b>*647 4011P*</b>									<b>**</b>				
Wiper Deflector LH													

*6/17/12* *(20)*

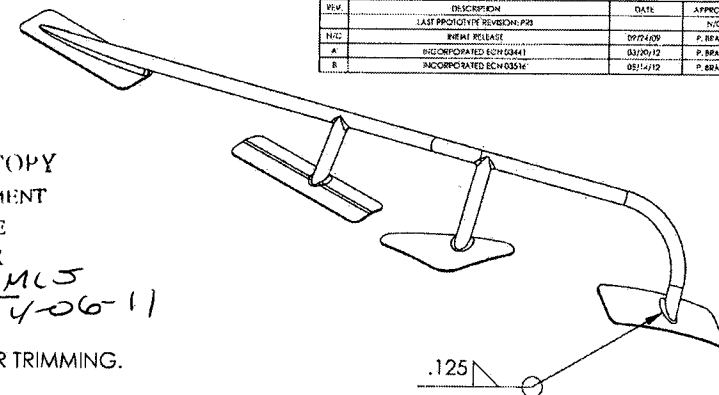
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# NOTES: UNLESS OTHERWISE SPECIFIED

- 1 MATERIAL: 4130 STEEL PER AMS-S-18729, .06" THK
- 2 MATERIAL: 4130 STEEL PER AMS-T-6736, .50" OD, .049" THK
- 3 FINISH: PRIME IAW MIL-P-23377J TYPE I CLASS N; 1-2 MIL MAX
- 4 DEBURR AND BREAK ALL SHARP EDGES
- 5 IDENTIFY IAW MPP-120.
- 6 WELD IAW MIL-STD-2219. TIG WELD WITH FILLER ROD.
- 7 WILL BE TRIMMED AS NECESSARY TO FIT ON AIRCRAFT. PRIME AND PAINT PART AS NECESSARY AFTER TRIMMING.
- 8 ALL DIMENSIONS LISTED ARE AFTER PAINT AND PRIMER IS APPLIED.

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 120741 ML5  
14-06-11

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	LAST PRODUCTION RELEASE	09/04/09	P. BRAY
2	REWORK RELEASE	03/09/12	P. BRAY
3	INCORPORATED ECH 03514	03/14/12	P. BRAY



DETAIL C  
4/B6

R2.500

1.686

DETAIL B  
3/B7 7

16.923

5.620

(2.500)

DETAIL A  
2/B6

647.4011 SHOWN  
647.4010 OPPOSITE

3.873

R2.500

1.122

90.9°

SECTION E-E

DETAIL D  
5/B6 7

SECTION H-H

17.8°

SECTION J-J

DETAIL K  
SCALE 1:1

(Ø .500 TYP.)

(.049 TYP.)

SECTION G-G

QTY	FIND #	PART #	DESCRIPTION	MATL	SPEC.
2		647.4011	WIPER DEFLECTOR LH		
1		647.4010	WIPER DEFLECTOR RH		
PARTS LIST					
APICAL INDUSTRIES					
2608 TEMPLE HEIGHTS DR.					
OCEANSIDE, CA. 92056-3512 (760)724-5300					
WIPER DEFLECTORS					
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES			SCALE: NONE		
TOLERANCES ARE:			SHEET 1 OF 5		
3 PLACE DECIMALS ±.01					
2 PLACE DECIMALS ±.005					
ANGLES ±.5°					

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R.313  
4 PL

4.789

1.625

9.0°

5.250

TYP.

DETAIL A  
SHOWN ISOMETRICALLY



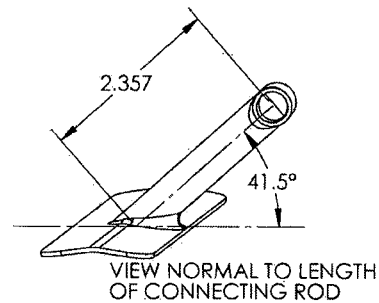
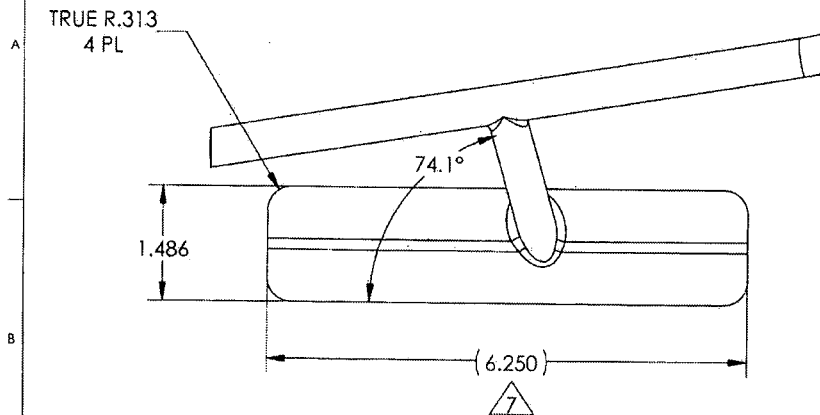
.060

8.3°

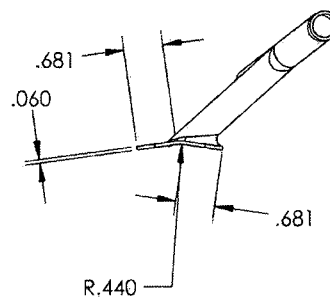
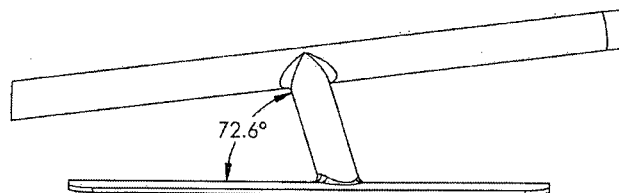
42.8°

ORIGINAL DATE 10/20/01		APICAL INDUSTRIES	
DESIGNED BY P. RUSAKO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		WIPER DEFLECTORS	
CONTRACT NO.		REV. 1 B	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.015 ANGLES ±.5°		SET CODE B 07M25	DWG. NO. 647.4000
		SCALE: NONE	SHEET 2 OF 5

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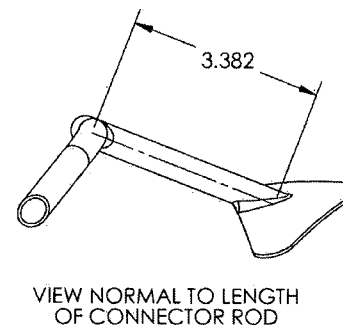
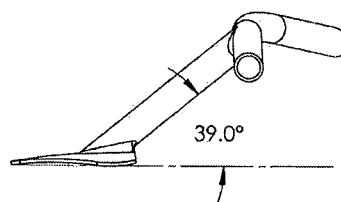
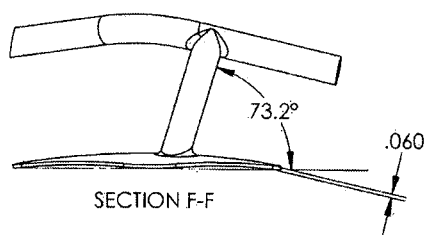
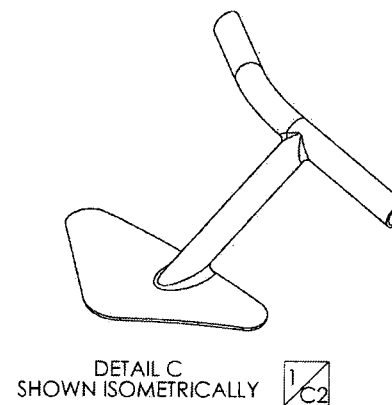
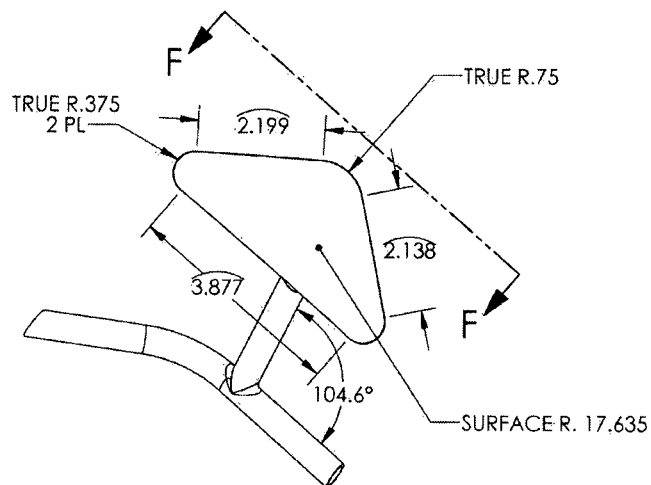


DETAIL B  
SHOWN ISOMETRICALLY



APICAL INDUSTRIES	
2608 TEMPLE HEIGHTS DR.	
OCEANSIDE, CA. 92056-3512 (760)724-5300	
WIPER DEFLECTORS	
SIZE	DWG. NO.
B 07M26	647.4000
SCALE	SHEET
NONE	3 OF 5

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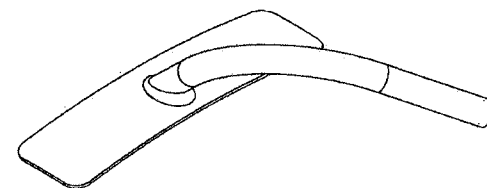
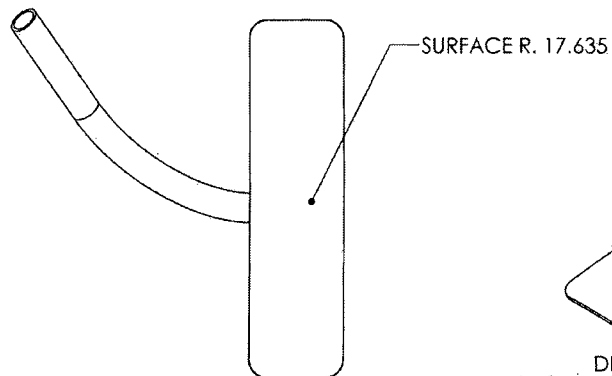
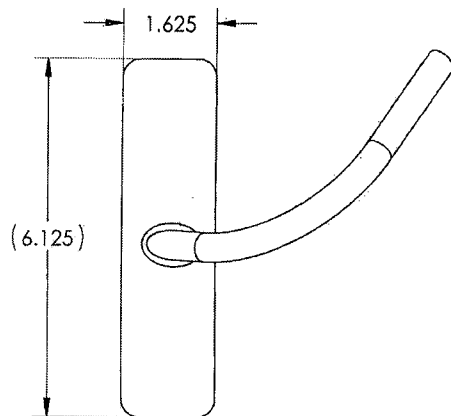


ORIGINAL DATE 1980-04-15		BY: JLD	
DRAWN BY R. ROMANO		CHECKED D. BARKER	
DRAWING APPROVAL H. BRADY			
DESIGN C. CONTRACT PRO			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		MT. CAGE CODE B 07M26	OWN. NO. 647.4000
SCALE NONE		REV. B	
		SHEET 4 OF 5	

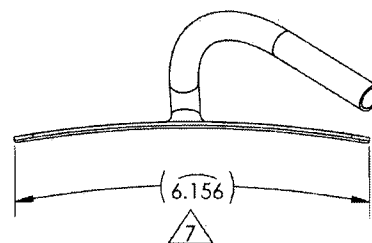
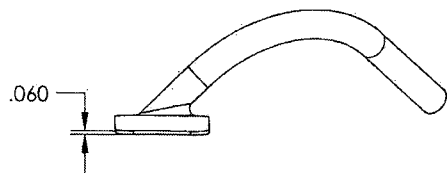
**APICAL INDUSTRIES**  
2608 TEMPLE HEIGHTS DR.  
OCEANSIDE, CA. 92056-3512 (760)724-5300

**WIPER DEFLECTORS**

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DETAIL D  
SHOWN ISOMETRICALLY



ORIGINAL DATE  
DWD BY: TBI  
DRAWN BY: TBI  
V. KOSAKO  
D. KAPLER  
DRAWING APPROVAL  
P. BRAY  
DATE  
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
1 PLACE DECIMALS .001  
2 PLACE DECIMALS .005  
ANGLES ± .5°

**APICAL INDUSTRIES**  
2608 TEMPLE HEIGHTS DR.  
OCEANSIDE, CA. 92056-3512 (760) 724-5300

**WIPER DEFLECTORS**

REV.	REV.
B	B
Q7M16	647.4000
SCALE NONE	SHEET 5 OF 5





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO24756**

Purchase Order Date 6/25/2014

PO Print Date 6/25/2014

Page Number 1 of 2

**Order From :**

VU-SOU004

SOUTHLAND FABRICATION  
411 INDUSTRIAL WAY  
FALLBROOK, CALIFORNIA 92028

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA



**Contact Name**

**Vendor Phone** 760-723-4006

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx PI collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	647.4010P  AS PER DWG 647.4010 REV. B B120740	Wiper Deflector RH	8/8/2014 Yes 8/8/2014	FN	20.00 Each	\$398.78	\$7,975.60
<b>Line Total:</b>							<b>\$7,975.60</b>
2	647.4011P  AS PER DWG 647.4011 REV. B B120741	Wiper Deflector LH	8/8/2014 Yes 8/8/2014	FN	20.00 Each	\$398.78	\$7,975.60
<b>Line Total:</b>							<b>\$7,975.60</b>

**Note:**

6/25/2014

**SOUTHLAND FABRICATION**  
**411 INDUSTRIAL WAY**  
**FALLBROOK, CA. 92028**

**PACKING SLIP**

**No : 00014441**

**To:** Dart Aerospace Ltd  
1270 Aberdeen Street

**Ship To:** Dart Aerospace Ltd  
1270 Aberdeen Street

Hawkesbury, ON K6A 1K7

Hawkesbury

ON K6A 1K7

Ship VIA	P.O. #	FOB	Date	Page
OUR TRUCK	PO24756	ORIGIN	08/29/2014	1

Quantity	Part Number	Rev	Job #
20	647.4010P Wiper Deflector RH	B	00013258
20	647.4011P Wiper Deflector RH	B	00013259

Received By: \_\_\_\_\_

Date: \_\_\_\_\_

Page : 1 of

0



411 Industrial Way  
Fallbrook, CA 92028  
Ph: 760-723-4006

## Certificate Of Compliance

**Date :** 08/29/2014

**Job No. :** 00013258

**Customer :** Dart Aerospace Ltd

**P.O. Number :** PO24756

**Part Number :** 647.4010P

B

**Quantity :** 20

**Description :** Wiper Deflector RH

We hereby certify that all parts and/or material supplied by us have been produced in conformance with all contractually applicable purchaser's specification as referenced in the purchase order and/or drawing(s) supplied.

**Date :** 08/29/2014

**Job No. :** 00013259

**Customer :** Dart Aerospace Ltd

**P.O. Number :** PO24756

**Part Number :** 647.4011P

B

**Quantity :** 20

**Description :** Wiper Deflector RH

We hereby certify that all parts and/or material supplied by us have been produced in conformance with all contractually applicable purchaser's specification as referenced in the purchase order and/or drawing(s) supplied.

By:

A handwritten signature in black ink, appearing to be "John", is written over a horizontal line.

Date:

8-29-14

Page : 1 of

1